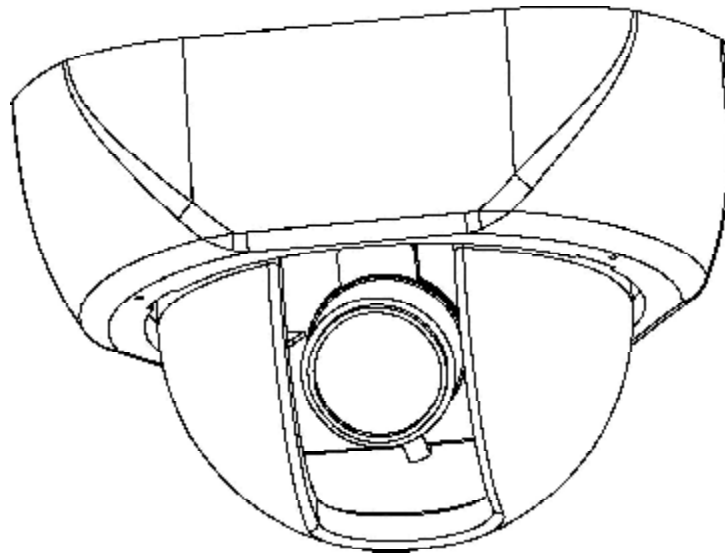


# VARI-FOCAL DOME

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## User Manual

Please read this instruction thoroughly before operation and retain it for future reference.

Thank you for choosing this high quality camera. Before attempting to connect or operate this product, please read and follow these instructions completely and carefully.

## Specification

Item	Normal	High Resolution
Pick up Element	1/3" Color CCD image sensor	
Number of Pixel	512(H) x 492(V) <NTSC> / 512(H) x 582(V) <PAL>	768 (H) x 494(V) <NTSC> / 752(H) x 582(V) <PAL>
Resolution	420 TV lines	480 TV lines
Min. Illumination	0.5Lux / F1.6	
S/N Ratio	More than 48dB (AGC off)	
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.	
Gamma	0.45	
Iris Mode	D.D Auto Iris	
White Balance	Hold / ATW selectable	
Video Output	1.0 Vp-p composite , 75 $\Omega$	
Lens Angle	92.6° ~ 39.4°	
Microphone	Yes	
Focal Length	4.0mm ~ 9.0mm	
BLC	On / Off selectable	
Sharpness	Soft / Sharp selectable	
Power Source	DC12V $\pm$ 10%	
Current Consumption	120mA	
Operating Temperature	0° ~ 50° C	

### WARNING:

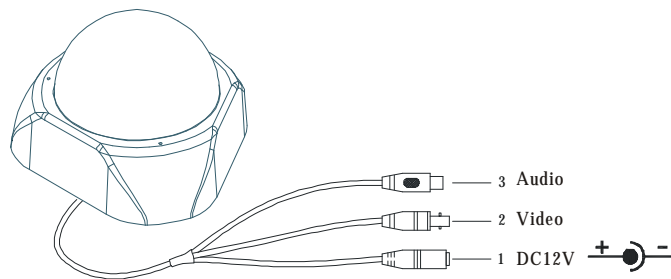
- 1.TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
- 2.THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

This is a color CCD video camera employs a 1/3" CCD (charge coupled device) solid-state imaging device which provide extremely long life and high reliability. The camera provides more than 350/480 TV lines resolution and different view angle of lenses are selectable. Microphone is also designed for this 24 hours standby surveillance camera.

## Features

1. 1/3" Color CCD image sensor.
2. 420 / 480 TV lines.
3. High sensitivity of 0.5Lux / F1.6.
4. Built-in Vari-focal type, direct drive auto iris lens, f=4.0~9.0mm F=1.6~2.4.
5. AWB, BLC & Sharpness selectable.
6. Super low current consumption 120mA.
7. S/N ratio more than 48dB(AGC off).
8. Easy to install, easy to use.

## Major operating controls and functions



### 1. DC12V Input Terminal

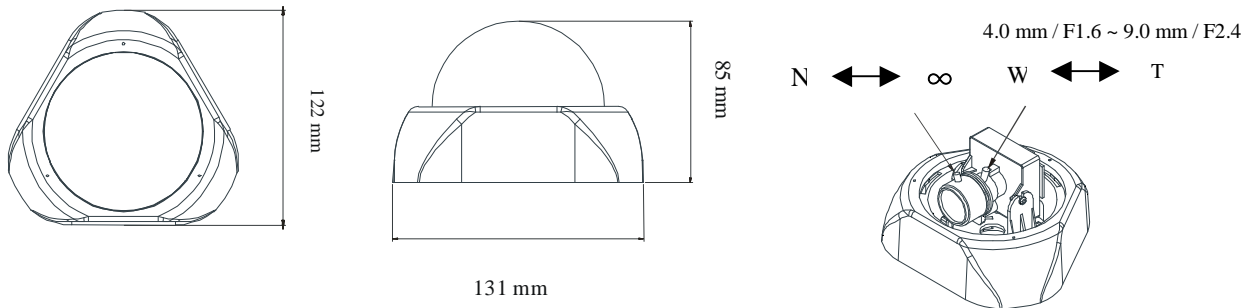
This terminal is for connecting the 12V DC regulated power supply cord.

### 2. Video Output Connector (VIDEO OUT)

This is connector is for connecting with the VIDEO IN connector of the video monitor.

### 3. Audio Output Connector (AUDIO OUT)

This is connector is for connecting with the AUDIO IN connector of the video monitor.



### 4. Lens features:

Images are set easily by vari-focal lens:

From the size of the object, the image range can be gradually increased or decreased, to TELE or WIDE angles. You can easily set the viewing angle, enlarging or reducing the image range as showing the illustration.

Note: After you adjust the appropriate angle, please turn the handle to fix the lens.



Focal Length		4.0~9.0 mm
Max. Aperture Ratio		1:1.6 (W) ~ 2.4 (T)
Max. Image format		6(D) x 4.8(H) x 3.6(V)
Operation	Iris	Auto (F1.6~360)
	Focus	Manual (50cm~∞)
	Zoom	Manual
Angle of View (1/3")	D	92.6° ~ 39.4°
	H	71.0° ~ 31.6°
	V	51.8° ~ 23.6°
Object Size at 50cm (1/3")	4.0mm	71.3 x 48.6 cm
	9.0mm	28.3 x 20.9 cm

## Connections



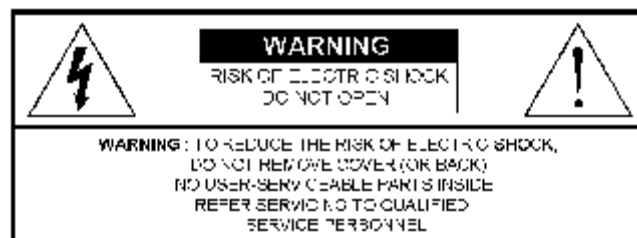
1. Auto Iris lens connector  
Supplies power and control signals to an auto iris lens.
2. Video Output Connector (VIDEO OUT)  
This connector is for connecting with the VIDEO IN connector of the video monitor.
3. Function Select
  - a. BLC: Back light compensation function selection. The factory default setting is OFF.  
Select "ON": When the brightness level of the background is higher than the object.  
Select "OFF": When you can view the object without backlight.
  - b. Sharpness: SHARP / SOFT selectable. The factory default setting is SHARP  
SHARP: Sharpens the image outline.  
SOFT: Softens the image outline.
  - c. White Balance: HOLD / ATW selectable. The factory default setting is ATW.  
ATW: Color temperature is being monitored continuously.  
HOLD: Color temperature is fixed under HOLD mode.
4. DC Drive Level adjustment  
You can adjust the DC Drive Level for the bright of video output.  
Select "+", brighten the image color.  
Select "-", darken the image color.

## Standard Accessories

Body Cap x 1 pc  
Power and Video/Audio cable  
Instruction manual x 1 pc

## WARNING

*The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.*



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance-(servicing) instructions in the literature accompanying the appliance.